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tungstic acid ph zirconia catalyst

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M Hino, K Arata - *Journal of the Chemical Society, Chemical Communications*, 1988 - [xlink.rsc.org](#)
... The catalyst was active for butane isomerisation at ... e. tungsten oxide combines with zirconium oxide to ... by the kneading method with tungstic acid (H₂WO₄) which ...

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... -cracking of n-octane on Pt/WO₄₂-ZrO₂ and Pt/SO₄₂-ZrO₂ Effect of Pt load on catalyst ...

JM Grau, JC Yori, JM Parera - *Applied Catalysis A, General*, 2001 - Elsevier
... prepared with ammonium metatungstate or tungstic acid, being these ... obtained by hydrolysis of zirconium oxychloride (Strem ... ammonium hydroxide up to pH=10, then ...

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Influence of the tungsten oxide precursor on WO_x ZrO₂ and Pt WO_x ZrO₂ properties

SR Vaudagna, RA Comelli, NS Figoli - *Applied Catalysis A, General*, 1997 - Elsevier
... by incipient wetness impregnation of dried zirconium hydroxide with ... preparation of samples ITE, a tungstic acid solution (H₂WO ... ppm W and its initial pH= 11 was ...

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Catalytic incineration of organic compounds

PH Nguyen, EW Stern, M Deeba, PL Burk - *US Patent 5,283,041*, 1994 - [freepatentsonline.com](#)
... as ammonium hydroxide to obtain a pH of 8 ... used if a core material comprising zirconium oxide and ... tin bromide, tin chloride, tungstic acid, ammonium paratungstate ...

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n-Butane isomerization on Pt/WO₃-ZrO₂: effect of the Pt incorporation

JC Yori, CL Pieck, JM Parera - *Applied Catalysis A, General*, 1999 - Elsevier
... Zirconium oxide ZrO₂ , obtained by calcination of Zr(OH ... solution was maintained for 7 days at pH=6. The ... form of an ammoniacal solution of tungstic acid (H₂WO ...

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Zirconium hydroxide supported metal and heteropolyacid catalysts

SL Soled, GB McVicker, S Niseo, WE Gates - *US Patent 5,391,532*, 1995 - [freepatentsonline.com](#)
... product of phosphoric or silicic acid with tungstic acid. ... tungstophosphoric acid and 12-tungstosilicic acid are commercially ... may be precipitated, at a pH of 9 ...

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Zirconia-supported phosphotungstic acid as catalyst for alkylation of phenol with benzyl alcohol - ► 203.199.213.48 (pbn)

BM Devassy, GV Shanbhag, F Lefebvre, W Böhringer, ... - *Journal of Molecular Catalysis. A, Chemical*, 2005 - Elsevier
... zirconium hydroxide with a solution of tungstic acid dissolved in ... solution, heteropolyanions are not stable at pH > 1 as ... free and acts as Brönsted acid sites. ...

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HYDROGENATIVE CONVERSION CATALYSTS

DA Young - US Patent 3,928,233, 1975 - freepatentsonline.com

... in aqueous ammonium carbonate at a pH of about ... to form the corresponding molybdenum and zirconium or titanium ... to precipitate molybdic or tungstic acid and the ...

[Cited by 6](#) - Related articles - Web Search - All 2 versions

Silica supported metal and heteropolyacid catalysts

SL Soled, GB McVicker, S Miseo, WE Gates - US Patent 5,420,092, 1995 - freepatentsonline.com

... product of phosphoric or silicic acid with tungstic acid. ... tungstophosphoric acid and 12-tungstosilicic acid are commercially ... may be precipitated, at a pH of 9 ...

[Cited by 5](#) - Related articles - Web Search - All 4 versions

EPOXIDATION PROCESS C

CM Gable - US Patent 2,870,171, 1959 - Google Patents

... meters per gram, or the silica-magnesia or silica-zirconia gel cracking ... Catalyst Support ... of aqueous sodium hydroxide to 1 mole of tungstic acid (pH of mixture ...

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Key authors: K Arata - J Yori - M Hino - C Chang - J Parera

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